

*Development of a Postgraduate Program in  
Defence Operations Research*

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## Defence Operations Research Education

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- Joint development between DSTO and UNSW@ADFA
- Part of DSTO's Continuing Education Initiative
  - *CEI is designed to increase skills of defence scientists in core skill areas relevant to Defence*
  - *Six streams including human factors, systems engineering, defence technologies and operations research*
- Allows staff to further their education and enhance their skills
- Expect UNSW@ADFA to offer their own program which will be open to any prospective student

## CEI Academic Structure

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### GRADUATE CERTIFICATE

1 Core (Systems Engineering for Complex Problem Solving)  
+ 3 Technical



### GRADUATE DIPLOMA

1 Core (Research Methodologies in a Multidisciplinary Environment)  
+ 3 Technical



### MASTERS DEGREE

Minor Thesis

## DOR Courses

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- Introduction to Defence Operations Research (IDOR)
  - Decision Analysis (DA)
  - Optimisation Techniques (OT)
  - Analysis of Military Systems (AMS)
  - Warfare Modelling Analysis (WMA)
  - Concept Development, Experimentation & Wargaming (CDEW)
  - Introduction to Simulation (IS)
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- Many courses are new and to be developed
  - All will be available by distance learning (web-based)
  - Plus electives in SE, stats, etc

## Indicative Program Schedule

	2004		2005		2006		2007	
	S1	S2	S1	S2	S1	S2	S1	S2
<b>IDOR</b>		<b>X</b>		<b>X</b>		<b>X</b>		<b>X</b>
<b>DA</b>	<b>X</b>		<b>X</b>		<b>X</b>		<b>X</b>	
<b>IS</b>	<b>X</b>		<b>X</b>		<b>X</b>		<b>X</b>	
<b>CDEW</b>		<b>X</b>				<b>X</b>		
<b>AMS</b>				<b>X</b>				<b>X</b>
<b>WMA</b>					<b>X</b>			
<b>OT</b>			<b>X</b>				<b>X</b>	

## For more information

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